Dari Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200

Purchasing Receipts

	Supplier	Line Item No	Rel	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Uni
0039629	MES002- VC	1	1	Net 30	M17-4-H1025-R1.375	17-4 -H1025 Round Bar 1.375"": MATERIAL: 17-4 CONDITION H1025 receive ft				12	5/4/2018	12		S068118	Stock	5/3/2018	\$ 58.75 / ft
		2			M1018B1,000X02.500	10-1025 Steel Bar 1.000 X 2.500 : MATERIAL: AISI 1010- 1025 OR ASTM A36/A366(A569)/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft						12	4	\$068119	Stock	5/3/2018	\$ 17.75 / ft
		3				506176 Bar 1.750 X 10.000 : MATERIAL: 6061- 6061- T6/7651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4110 OR ASTM B211 OR ASTM B211 OR				6		6		S068120	Stock	5/3/2018	\$ 129.17 / ft
		4			30,750X1,250	17-4 SS H900 Bar 0.750"* X 1.250"*: MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GIRAIN MUST RUN ALONG ENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM JLTIMATE TENSILE STRENGTH = 150 KSI NOTE: receive ft				12		12	S	5068121	Stock !	5/3/2018	\$ 82.50 / ft
									Total:	42		42					

Plex 5/3/2018 11:50 AM Dart Dubois Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

Tel (613) 632-5200

PURCHASE ORDER PO039629

Supplier: MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiler Est

Longueuil QC

J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044 PO No:

PO039629

PO Date: Due Date: 4/17/18

4/24/18

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms: Special Comments:

opeoidi collille

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended
1	M17-4-H1025-R1.375		17-4 -H1025 Round Bar 1.375" : MATERIAL: 17-4 CONDITION H1025 receive ft	Firmed	4/24/18	12 ft		12 ft		\$705.00
2	M1018B1.000X02.500		1010-1025 Steel Bar 1.000 X 2.500 : MATERIAL: AISI 1010- 1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft	Firmed	4/24/18	12 ft	12	12 ft	\$17.75/A	\$213.00
3	M6061T6B1.750X10.000		6061T6 Bar 1.750 X 10.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 DR ASTM B211 OR ASTM B221 eceive ft	Firmed	4/24/18	6 ft	61		\$129.1666/ n Ay 0 3 2010	\$775.00

Plex 4/17/18 12:05 PM dart.lavoie.chantal

				tems						
Line Item		Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended Price
4	M17-4-H900- B0.750X1.250		17-4 SS H900 Bar 0.750" X 1.250" : MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST RUN ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI NOTE: PLEASE SHIP MATERIAL TO METCOR FOR HEAT TREAT TO H900 METCOR INC. 560 BOUL. ARTHUR SAUVE SAINT-EUSTACHE QC, J7R-5A8 PHONE 450-473-1884 FAX 450-491-5498 receive ft	Firmed	5/1/18	12 ft		12 ft		\$990.00 DAS

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 4/17/18 12:05 PM dart.lavoie.chantal

Shipping Order 26/04/2018

METAUX SOLUTIONS INC. 2625 BOUL JACQUES CARTIER EST

LONGUEUIL, QUEBEC

34N 1L7

Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7

Under . Reference : 134519 : 39629

Ship -

: PICK UP / PICK UP

Ship To

Same

Tel.: 1613632-3336

steme No.	Description		Qty	Qty. Deliver	B/O Qo
	******* FACTURER E-MAIL ******* SUPELE PACKING SLIP INSCRIRE LES HEAT	ER IMPORTANT SUR N			
SR138174	17-4PH ROU 1.375 DIA. COND. 1025		12.67	12.17	1)
	1 x 12.67°			Ψ,	1
	HT;707n				
CF1212	CRS FLA 1.000 X 2.500 1018		12	151	0
	1 X 12' R/L				
	HT,prd-12550702	173 Act			5
AP134107278	5061-T6 PLT. 1.75 X 10 X 67	Markey - Strat	1		
7 7 1 1 1 1	HT 649053				
SF34114174	17-4PH .FLAT .75 X 1.250 COND H900		13.58	13.5B	1
17.	1 x 13.58'			1	7
	HT;273750				
	to the second				

SHIP JOURNEY COLLECT

After por land to the same

Section 11 and 1 1 1 100

Shipping : Ref. Package No : Merchandise Received:

the suppression of the second second

FOR A STREET STATE STORE ASSESSMENT OF A STORE OF A

Shipping Order

26/04/2018

METAUX SOLUTIONS INC 2025 BOUL JACQUES CARTIER EST

LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Order

: 134519

Reference

: 39629

Ship

: PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7 Ship To

Same

Tel.: 1613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
	******* FACTURER E-MAIL. ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			,
SR138174	17-4PH ROU 1.375 DIA. COND. 1025	12.67	12.67	0
	HT:7070			
F1212	CRS FLA 1.000 X 2.500 1013	12	12	0
	1X 12' R/L			
P134167278	HTtps:/-12550702 6081-T6 PLT 1.75 X 10 X 67	4)	0
	1 POE	1	CARRY STATE OF THE PARTY OF THE	THE RESIDENCE OF THE RE
< 0.4114174	17-5PFLFEAT .75 X 1.250 COND. H900	. 13.58	13.58	B
	1 x 13.68	10,00		7
	H1275760			

SHIP JOURNEY COLLECT
JP

On pes osca-18

Oletantes			
Shipping	;	Ref.	•
dackage No .		*16,1	
			The case and property of the case of the c
Perchandise R	Received:		The second secon

Customer PO#

44225-F

Invoice No 96691

Shipper No

90547

Heat Number

1-2573



T: +44 (0) 1653 602122

F: +44 (0) 1653 695856

E: export@bright-steels.com

Certificate Of Analysia

Date: 19/12/2017

Number # 113698

VAT Registration No. 166 8255 35

Invoice To: Deliver To:

UNLESS AGREED OTHERWISE THE MATERIAL DETAILED BELOW HAS BEEN INSPECTED AND TESTED ACCORDING TO PROCEDURES RELATIVE TO OUR 8S EN ISO 9001 REGISTRATION TO COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND ORDER. CONFORMS TO EN 10204 2.2. ORIGINAL CERTIFICATES ARE HELD ON FILE.

ORDER DESCRIPTION AND CAST NO. BATCH NO DESPATCH LINE ORDER DETAILS WEIGHT UOM QUANTITY

BRIGHT MILD FLAT TO ASTM A28-03 (A108-99) 1018 IN 11'6"-126" LENGTHS TARIFF NO. 7215.50.11

CAST	0.00	014		21721		12623701		2172	L	38	985 KGS
	C%	Si %	Min %	P%	5%	Cr%	Mo %	NI%	Cu %	Sn %	Al %
172124	0.180	0.210	0,800	0.011	0.027	0.110	0.030	0.140	0.260	0.015	0.003

BRIGHT MILD FLAT TO ASTM A29:03 (A108-99) 1018

IN 142" MIN. LENGTHS

TARIFF NO. 7215.60.11

	1" X 2.1/2"	3		1-25 1-25	73 PRD	-12550701 -12550702	242	2150	-	3S 3S	1915 KGS
AST	C%	8i %	. Mn %	P%	3%	Cr %	Mo %	! N/ %	Qu %	Sn %	J ALM I
2573	0.160	0.180	0.760	0.008	0.031	0.100	0.030	0.120	0.200	0.011	0.002
	V % 0.005	N %				1. 1. 2.		the fire fire serve	V.200	0.011	0.002

BRIGHT MILD FLAT TO ASTM A29-03 (A108-88) 1018 IN 11'6'-12'6' LENGTHS TARIFF NO. 7215.50.11

Registered in England No 159061

Page 2 of 7



Page 01 of 02

Certification Date 24-APR-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44606-J PART NUMBER/NUMÉRO DE PIÈCE



Invoice Number T378896

SOLD TO: VENDU À:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL OC J4N 11.7 2625 BOUL JACOUES CARTIER EST

LONGUEUIL OC J4N 1

Description: 17-4 HIVE/L

17-4 HRAP BAR SOL ANN ASTM A564

ITEM: 511723

Line Total: 44 LB

Specifications:

AMS 5643 AMS 2303

ASTM F899 12

ASTM A564 T630 13A

AMS H-6875 B

ASME SA564 T630 15

ASTM A370 17

CHEMICAL ANALYSIS

C 0.037

SI 0.40

MN 0.45

CR 15.08

MO CU 0.20

3.41

NI 4.61

CO

P

S

N 0.039 TA

NBTA

0.065

0.024

0.001

0.0002

0.272 0.27

RCPT: R382813

COUNTRY OF ORIGIN : FOREIGN

MECHANICAL PROPERTIES

DESCRIPTION

COND A

ULT TEN

%ELONG

%RED IN AREA

HARDNESS

BHN 348

DESCRIPTION DEV: H900 L

YLD STR KSI 185.0

YLD STR

ULT TEN KSI 201.0

%ELONG IN 02 IN 13.0

%RED IN AREA 55.0

HARDNESS BHN

428

GRAIN SIZE :5 -

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession/Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

carna Despress



Page 02 of 02

Certification Date 24-APR-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44606-J PART NUMBER/NUMÉRO DE PIÈCE



Invoice Number T378896

511723

SOLD TO: VENDU À:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST

LONGUEUIL OC J4N 1

Description:

17-4 HRAP BAR SOL ANN ASTM A564

3/4 X 1-1/4 FLAT X 12' R/L

Line Total: 44 LB

HEAT: 273760

ITEM: 511723

MATERIAL IS FREE FROM MERCURY CONTAMINATION

NO WELD REPAIR PERFORMED ON MATERIAL

MACRO: OK MICRO1: OK

COMMENTS

melted & mfg: italy red ratio: 53.3:1

pressure equipment directive (97/23/ec) annex 1, s. 4.3 & 2014/68/eu

by tuev and lloyds

material solution annealed 1904 deg f for 1 hour, air cooled to below

90 deg f

material is dfars complaint

ferrite: 1.6%

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

duras Resposa

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.



Page 01 of 02

Certification Date 24-APR-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44606-J

PART NUMBER/NUMÉRO DE PIÈCE



Invoice Number S706384

SOLD TO: VENDU À:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST L'ONGUEUIL OC J4N 1

Description:

6061-T651 PLATE

QQ A 250/11

1-3/4 S/C 10.000" X 67.000" RECTANGLE

Line Total: 117.1985 LB

HEAT: (649053

ITEM: 561331

Specifications:

QQ A 250/11 ASME SB 209 SEC II 10

AMS 4027 N 14

PART B

ASTM B209 14

AMS QOA 250/11 A 08

ALUMINIUM CHEMICAL ANALYSIS

DESCRIPTION:

EN 10204 3.1

SI 0.4 MAX 0.8

0.7

0.15

0.4

0.15

MG 0.8

CR 0.04 0.35 ZN 0.25 TI

0.15

AL

1.2 REMAINDER

RCPT: R354281

COUNTRY OF ORIGIN : RUSSIA

MECHANICAL PROPERTIES

DESCRIPTION .

KSI 40.8 40.8

KSI 45.4 45.4

YLD STR ULT TEN %ELONG IN 02 IN 10.5

13.0

%RED HARDNESS

IN AREA

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. Par les présentes, nous certifions que le matériel convert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou rauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

carne beapres



Page 02 of 02

(RIVE-SUD)

Certification Date 24-APR-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44606-J PART NUMBER/NUMÉRO DE PIÈCE



Invoice Number S706384

SOLD TO: VENDU À:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

2625 BOUL JACQUES CARTIER EST LONGUEUIL OC J4N 1L7

2625 BOUL JACQUES CARTIER EST LONGUEUIL OC J4N 1

Description:

6061-T651 PLATE

QQ A 250/11

1-3/4 S/C 10.000" X 67.000" RECTANGLE HEAT: 649053

ITEM: 561331

Line Total: 117.1985 LB

METAUX SOLUTIONS

COMMENTS

chemistry: si 0.63/0.64

fe 0.32/0.33

cu 0.18

mn 0.09

mg 0.9/1.0

cr 0.06

zn 0.13

ti 0.07/0.09

other elements each 0.05 others elements total 0.15

al remainder

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais di: manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou trauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

ourne herfred

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44606-J PART NUMBER/NUMÉRO DE PIÈCE Page 01 of 02

Certification Date 25-APR-2018

Invoice Number T378897

Ship# T568335

SOLD TO: VENDU A: METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST: LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1

Description: 1-3/8 RD X 12

17-4 SOL ANN CF BAR R/L

ASTM A564

:Line Total: 64 LB

HEATE TOTAL

ITEM: 510529

Specifications: AMS 5643 U ASTM F899 12

ASTM A564 T630 13 ASTM A484 16

ASME SA564 T630 07

AMS 2303 F

CHEMICAL ANALYSIS

C 0.02

CB 0.199

CO 0.02

S

CR 15.58

CU 3.36

MN 0.7800

MO 0.024

NI

P

SI

TA

TI

0.029

4.32

0.0180

0.0225 0.68 0.0125

0.003

CBTA 0.2115

RCPT: R428752

COUNTRY OF ORIGIN : USA

MECHANICAL PROPERTIES

DESCRIPTION COND A

YLD STR ULT TEN &ELONG

*RED HARDNESS

341

IN AREA

BHN

DESCRIPTION DEV: H900 L

YLD STR KSI 177.09

ULT TEN KSI 198.6

&ELONG' IN 02 IN 15.23

%RED IN AREA 48.18

HARDNESS RC

43

GRAIN SIZE :8 -

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des specifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haul.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

same Lespres

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44606~J PART NUMBER/NUMÉRO DE PIÈCE Page 02 of 02

Certification Date 25-APR-2018

Invoice Number T378897

Ship# T568335

SOLD TO: VENDU A:

METAUX SOLUTIONS INC.

SHIP TO: EXPÉDIÉ À:

METAUX SOLUTIONS

(RIVE-SUD)

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1

Description: 1-3/8 RD X 12' R/L

HEAT: 707N

17-4 SOL ANN CF BAR

ITEM: 510529

ASTM A564

Line Total: 64

MACRO: OK MICRO1: OK AMS NO :2303 SEVERITY :0.22 FREQUENCY: 0.39 ii.

\$ 1 a.

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des specifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or faudulent statements in connection with test results may be punishable as a felony under federal statutes. Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession/Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

JOANNE DESPRES

surve Lespreis

METCOR INC.

560 BOUL, ARTHUR-SAUVE, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498 Télécopieur / Fax production: 450-491-6454 Certificat de Conformit
Certificate of Compliance

BON DE TRAVAIL CHARGEMEN
Load

327210

1

CLIENT / customer 780
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL QC J4B 8G8

LIVRÉ À / shipped to:
METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL QC J48 6G6

COMMANDE De custome		CLASSIFICATION PIECE part classification	MATÉRIEL material	MAÎTRE D'OEUVRE prime contractor	PROGRAM
4460	9	N/A	17-4PH		
			TIONS DU PROCI	EDE	
AGE HARDEN					
CONDITION H					
XIGENCE / req		ÉCIFICATIONS / specified	TESTS EXÉCUTÉS	/performed RÉSULTATS	DE TESTS / resu
HARDNESS	34	- 42 HRC	1	39 - 40 HRC	
QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIE	CES		
1	5 3	BAR			
		(1) BAR 1.375" X 12"			
		1 NIL			1 -

COMMENTAIRES / comments

APPROUVÉ par / Approved by:

mono na seu tan

(METCOR)

DATE: 2018-04-30

ADDOONE

 $\sum_{i=1}^{n} \frac{d^{n}}{dt} \sum_{i=1}^{n} \frac{d^{n}$

....

end 11

The analogue of the entry of the state of the state of the state of

The commence of the

The state of the s

in a state of the contract of the first terms.

government process page

SPPROUND par Approved by:

METCOR

DATE: 2013-04-27



MATERIAL RECEIPT INSPECTION FORM

MATERIAL:	117-44900-BC	.750 Л. 250 ро / ВАТСН NO.: <u>039629/506</u> 81
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	Yes 12) 12!	THICKNESS ORDERED: 0.750 THICKNESS RECEIVED: 0.750 SHEET SIZE ORDERED: NA
	NCR	

DESCRIPTION		CR eck (N)	COMMENTS
SURFACE DAMAGE	Υ	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Am 5 56 213
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	M	Ñ	Nex# 273760
CORRECT MATERIAL IDENTFICATION	(空)	N	·
CORRECT M# ON THE MATERIAL		N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)	

CUT SAMPLE PIECE OF				SS CHECK.	
F	RECORD RES	SULTS BELOV	Ν		
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if	required)
INSPECTED BY:	DAS 11	SIGNED OFF BY:	
DATE:	9-8MPAY 0 3 2018	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

M17-4- HHHHHHHB TTTT X WW.WWW WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)
THICK WIDTH WIDTH WW.WWW SPECIFIES THE WIDTH SPECIFICATION CONTROL DRAWING PART NUMBER M174-B0.250X4.000 M174-H900-B1.000X2.500 M174-H1025-B0.500X3.250 M174-CONDA-B0.750X2.500 MATERIAL IN 1900 AND 1925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED MIN ULTIMATE TENSILE STRENGTH (KSI) 150 190 170 145 145 AMS 5604 OF AMS 5643 OF ASTM A693 OF ASTM 564 MIN YIELD TENSILE STRENGTH (KSI) PURCHASE MATERIAL: 174 PH / TYPE 630 / S17400 SS BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE 100 170 145 125 115 105 CONDITION A (SOLUTION TREATED) (CONDITION A NOT ACCEPTABLE) CONDITION H1025 H1075 H1100 H900 MATERIAL CONDITION TABLE: (OMITTED) CODE H1025 H1075 H1100 H1150 CONDA H900 H925 EXAMPLES: SPECIFICATION: PART NUMBER: @ **(8) 8** 1 **(9**)

O

U

ω

Ω

4

00

Q

REV. B SHEET 1 OF 1 SCALE NTS 02 04.18 17.09.14 COPYRIGHT © 2002 BY DART AEROSPACE LTD
THE GOODMANT IN NO COMEDIFFA AND IS SAFETED ON TO DRIVE JOB FOR MY TAPPOSE OR COPING OF COMMENCED TO AND YOUR PRODUCES WHIGH DATE DART AEROSPACE LTD ВУ DS 9 B (CIR17-107) 17-4 SS BAR TITLE Cp do 8 8 8 8 8 8 8 8 8 8 17.09.14 NEW ISSUE MFG. APPR. APPROVED CHECKED DE APPR. DESIGN DRAWN DATE **APPROVED**

PART 1005° X 4.000° BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI 1005° X 3.250° BAR H900 CONDITION 0.500° X 3.250° BAR H1026 CONDITION 0.750° X 2.500° BAR A CONDITION

(1) ELEASE(1) 11 207 -10-31

ω

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MGC	161	+/	RIN	nxm.	1.11.3	DO / RATO	H NO : 03 3	9/25 /5
MATERIAL: MGC DATE:	MAY	037	2018	2 N 1010 -	100	PO/BATC	H NO	W / 100
MATERIAL CERT REC'D:	1.0	6			THIC	KNESS OPD	ERED: /	750
	14	7		-				
QUANTITY RECEIVED:/	6			-	HIC	KNESS RECI	EIVED:	150
QUANTITY INSPECTED:	6'			_	SHEE	T SIZE ORD	ERED:	1//
QUANTITY REJECTED:	0				SHEE	T SIZE RECE	EIVED: N	1/4
DESCRIPTION	1	CR neck				COMMEN	NTS	
	1	/N)						
SURFACE DAMAGE		W						
CORRECT FINISH	Y	1						
CORROSION	Y	N						
CORRECT GRAIN DIRECTION	Y	N		1				
CORRECT MATERIAL PER M-DRAWING	Y	N	COQ.	-14-2	501	/ i		
CORRECT THICKNESS	(Y)	N		J	7			
PHOTO REQUIRED	Y.	M						
CORRECT REF # TO LINK CERT	(V)	N	Heat	#6	490	53		
CORRECT MATERIAL IDENTFICATION	1	N						
CORRECT M# ON THE MATERIAL	(4)	N						
DOES THIS MATERIAL REQUIRE								
ENGINEERING SIGN OFF	Y	(N)						
DOES THIS REQUIRE AN		a						
EXTRUSION REPORT	Y	N						
CUT SAMPLE PIEC	E OF	MA	TERIAL A	ND PRE	EFORM	A HARDNI	ESS CHECK.	
	F	REC	ORD RES	SULTS B	BELOW	1		
			HRC	HR	В	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL								
SIZE OF TEST SAMPLE								

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: _	DAS 11	SIGNED OFF BY:
DATE:	9-84AY 0 3 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

HARDNESS / DUROMETER READING

SPECIFICATION CONTROL DRAWING

4

S

9

Ω

PURCHASE MATERIA: 6061.16(1684.65) ALUMINUM SHEET OR PLATE SPECIFICATION **(**)

OQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS-4025 OR 4027 OR ASTM B209

PART NUMBER:

(

M6061T6S XXX X W.WWW

WHERE ".XXX" = THICKNESS (IN INCHES) AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M606176S.063 EG. 3.5" WIDE BY 0.500" THICK PLATE = M606176S.500X3.500

PREFERRED SIZE:

XXX BY 4FT BY 8FT FOR SHEET

REV. C SCALE SHEET 1 OF 1 RF 01.06.08 BY DATE 17.12.13 09.07.13 DS DART AEROSPACE LTD
ML HAWKESBURY, ONTARIO, CANADA
NO DRAWING NO.
JFS M6061T6S SHEET/PLATE SPEC NT
CP \$\sqrt{9}\$ 6061-T6 SHEET/PLATE SPEC NT COPYRIGHT © 2001 BY DART ARROSPACE LTD
This bookulor is present to be core control and is sufficiently present country
Not 1016 1510 10 Not have present on proping of the state of the sta ML G REFORMAT DWG, ADD 8209 SPEC (ZN D8-1), REF PAR 08-020A C ADD PLATE AND T651 SPEC MFG. APPR. JFS
APPROVED HS
DE APPR. CP L
DATE 17.12.13 A NEW ISSUE CHECKED DRAWN DESIGN 8 REV **APPROVED**

> 2018 MAR 13 40 Ex. 18-655 CHOVE HE

00

80

Ω

O

60

O

8

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MIOI	PF AY 0	3 20	000 X	02.50	00	PO / E	BATCH	H NO.: <u>039</u>	629/506
MATERIAL CERT REC'D:	12	5			THIC	CKNESS	ORDE	ERED: 1,0	000
QUANTITY RECEIVED:	12)			THIC	KNESS	RECE	IVED: 1.0	00
QUANTITY INSPECTED:	17	1		_	SHE	ET SIZE	ORDE		1/4
QUANTITY REJECTED:	OX	-		_		ET SIZE			11-
QUANTITI NESECTES.	<u> </u>				OHL	LI OIZL	INCOL	100.	71
DESCRIPTION	(Ch	CR neck (N)		-		COM	1MEN	TS	
SURFACE DAMAGE		(N)	1						
CORRECT FINISH	(Y)	N							
CORROSION	Y	(N)							
CORRECT GRAIN DIRECTION	(Y)	N							4.
CORRECT MATERIAL PER M-DRAWING	W	N	N/A	for	der	dooli	4	use only	P.D.
CORRECT THICKNESS	(Y)	N	/ -				7	0	•
PHOTO REQUIRED	Y	(N)	1	1					
CORRECT REF # TO LINK CERT	(V)	N	HOW	#1	259	070	2		
CORRECT MATERIAL IDENTFICATION	W	N	• ,						
CORRECT M# ON THE MATERIAL	(Y)	N							
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)							
CUT SAMPLE PIEC				AND PR			RDNE	ESS CHECK.	
			HRC	7	RB	DUF	RA	DUR D	WEBSTER
TYPE OF MATERIAL									
SIZE OF TEST SAMPLE									
HARDNESS / DUROMETER READI	NG								
	t	esters	located	in the Qua	lity Offic	ce			

QC 18 INSPECTION	1000 000 000	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	11 / 1	SIGNED OFF BY:
DATE:	9-MAY 6 3 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





DESIG	T	DRAWN BY	DART AEROSI HAWKESBURY, ONTA	
CHECK	P	APPROVED	DRAWING NO. MICTO-B	REV A
DATE	01.12.0	6	AIST 1010-1025 BAR	SCALE NTS
A	01.	12.06	NEW ISSUE	

PURCHASE MATERIAL: AIST 1010-1025 OR ASTM A36 /A366 /A569 /A570 OR CSA G40-21, 38W/44W/50W/60W/70W

PART NUMBER:

MIDIO-BIT. TIT X WW. WWW WHERE T.TTT = THICKNESS (IN INCHES)
THICK WIDTH WIDTH (IN INCHES)

EG. 0.75" x 250" BAR = M1010-B0.750 x 02.500



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MITTER MITTER	-4 14 0	3 20	025-1	<u> (1375</u>		PO / BATC	н no.: <u>0,39</u>	629/50681	18
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	12	5			THIC	KNESS ORDI KNESS RECE T SIZE ORDI T SIZE RECE	ERED: N		
DESCRIPTION	(CI	CR neck (N)				COMMEN	ITS		
SURFACE DAMAGE	Y	IN)							
CORRECT FINISH	(Y)	N							
CORROSION	Y	N							
CORRECT GRAIN DIRECTION	(Y)	N							
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Am	5564	12				
CORRECT THICKNESS	Y)	N							
PHOTO REQUIRED	Y	(N)		,					
CORRECT REF # TO LINK CERT	V	N	HOAT	AL:	7007	1/			
CORRECT MATERIAL IDENTFICATION	X	N	1001	-/-	, ,				
CORRECT M# ON THE MATERIAL	Y	N							
DOES THIS MATERIAL REQUIRE	0								
ENGINEERING SIGN OFF	Y	(N)							
DOES THIS REQUIRE AN		0							
EXTRUSION REPORT	Y	(N							
CLIT SAMPLE DIECE	05	NAAT	CEDIA!	AND DOD	FODA	ALIADDAID	00.01150::		
CUT SAMPLE PIECE						A HARDNE	SS CHECK.		
			HRC	SULTS BI		DUDA	DUDD	TAMEDOTED	
TYPE OF MATERIAL			IIKC	HRE	-	DUR A	DUR D	WEBSTER	
SIZE OF TEST SAMPLE					-				
HARDNESS / DUROMETER READIR	IG.			-					
		otoro	Innatad is	the Overlit	065				

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required
INSPECTED BY: DAS	SIGNED OFF BY:
DATE: 9-89	Y 0 3 2018 DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE PART NUMBER: SPECIFICATION: AMS 5643 OR ASTM A564

0

0

M17-4- HHHHH-| R | X.XXX | WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) X.XXX = DIAMETER (IN INCHES)

MATERIAL CONDITION TABLE:

0

0

		(SOLUTION TREATED)	CONDA
135	105	H1150	H1150
140	115	H1100	H1100
145	125	H1075	CYDIH
155	145	H1025	H1025
170	155	H925	H925
190	170	H900	H900
150	100	(CONDITION A NOT ACCEPTABLE)	(OMITTED)
MIN ULTIMATE TENSILE STRENGTH (KSI	MIN YIELD TENSILE STRENGTH (KSI)	CONDITION	CODE

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS

MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE

CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

0

EXAMPLES:

PART
4.000" DIAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI
2.500" DIAMETER BAR H900 CONDITION
3.250" DIAMETER BAR H9025 CONDITION
0.750" DIAMETER BAR A CONDITION

PART NUMBER M17-4-R4, 000 M17-4-R900-R2, 500 M17-4-H1025-R3, 250 M17-4-CONDA-R0, 750

E[N17-728 11 2017 -10-DELEAS 3

00

0

c

4

w

2

17.09.14

APPROVED

DE APPR. APPROVED MFG. APPR CHECKED DRAWN DESIGN В ADDED MATERIAL CONDITION (CRE17-107)

REFORMT DWG. S17-800TYPE 830 ADDED TO
PURCHASS MATERIAL (ZWDS-1), ADD A564 SPEC (CS-1),
REF PAR 08-020A

NEW ISSUE CP WM R 8 8 8 (P. 17-4 SS ROUND BAR M17-4-R DESCRIPTION TITLE DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA 2005 BY DART AEROSPACE LTD NAME AND IS SAME AT ON THE EXPRESS COMMITTED TO ANY OTHER PARTS. S NO SHEET 1 OF 05.03.16 DATE 17.09.14 10.05.20 REV. C SCALE NTS

œ

0

O